

# TR-RPS1

## 6 Amp Intelligent Distributed Power Module

TR-RPS1 is an intelligent distributed power module that adds 6.0 amps of power, six Flexput™ I/O circuits, and two Form C relay circuits to a compatible Triga Series addressable system.

TR-RPS1 connects to the FACP via the RS-485 system bus allowing up to an additional 6,000 feet of wiring. Each TR-RPS1 is optically isolated providing ground loop isolation and transient protection. TR-RPS1 supports its own backup battery and monitors the AC power.

The Flexput circuits can be programmed as notification appliance circuits, continuous, re-settable, or door holder power, or as conventional initiation circuits for 2 or 4-wire smoke detectors and contact devices (e.g. pull stations) Installation.

### COMPATIBILITY

The TR-RPS1 are compatible with the following Triga Series FACP's:

- TR-2100ECSR / TR-2100ECSB (63 max per panel)
- TR-2100R / TR-2100B / TR-R2100R / TR-R2100B (63 max per panel)



**TR-RPS1**

## FEATURES & BENEFITS

- 6.0 amps output power
- Supports Class A (Style 6) and Class B (Style 4) configuration of the SBUS
- Two Form C programmable relays rated at 2.5A @ 24 VDC
- Ground loop isolation and transient protection
- Provides SBUS optical isolation and re-conditions the RS- 485 signal
- Built-in synchronization for appliances from System Sensor®, AMSECO, Gentex®, and Wheelock®
- Up to 6,000 foot wiring distance from the TR-RPS1
- Battery charging capacity is 35AH
- Large cabinet size can house two 18AH backup batteries or RBB accessory cabinet can house battery sizes larger than 18AH
- Room to mount two TR-6815 SLC expander modules
- Six onboard Flexput circuits programmable for:
  - a; Notification appliance circuits (Class B/Style Y & Class A/Style Z)
  - b; Conventional initiation circuits (Class B/Style B & Class A/Style D) both 2- and 4-wire
  - c; Auxiliary power (for door holders, continuous power, or resettable power)



## Technical Specifications

### PHYSICAL

**Mounting Dimensions:** 14.5" W x 24.75" H x 3.9" D  
(36.8 cm W x 62.9 cm H x 9.8 cm D)

**Overall Dimensions:** 16.1" W x 26.4" H x 4.1" D  
(40.6 cm W x 67 cm H x 11.8 cm D)

**Color:** Black

### ENVIRONMENTAL

**Operating Temperature:** 32°F-120°F (0°C-49°C)

**Humidity:** 10%-93% non-condensing

### ELECTRICAL

**Primary AC:** 120 V, 50 or 60Hz, 2.5A, or 240V, 50 or 60Hz, 1.4A

**Total Accessory Load:** 6A @ 24VDC

### CURRENT

**Standby:** 40mA

**Alarm:** 160mA

**SBUS Standby & Alarm:** 10mA

**Flexput Circuits:**

**Notification:** 3amps per circuit (6A system total)

**Initiation:** 100mA power limited @ 24VDC

### ORDERING INFORMATION

**TR-RPS1:** High voltage (240V) Intelligent Distributed Power Module

### ACCESSORIES

**RBB:** Remote Battery Box Accessory Cabinet. 16" W x 10" H x 6" D (406 mm W x 254 mm H x 152 mm D)

**AB-55:** Remote Battery Box Accessory Cabinet. 20"W x 12" H x 7.5" D

**TR-6815:** SLC Expander Module

**TR-SCK:** Seismic Compliance Kit

### AGENCY LISTING AND APPROVALS

**NFPA 13, NFPA 70, NFPA 72, UL 2572, UL 1711 &**

**UL 864:** Local Protective Signalling Systems.

**UL Listed**

**FM Approved**

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

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